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SUMMARY OF VITAL STATISTICS

DEPARTMENT OF HEALTH, CITY OF NEW YORK

BUREAU OF VITAL RECORDS AND STATISTICS—STATISTICAL DIVISION

Population, Births, Marriages, Deaths and Infant Mortality, 1898-1941

Year	Estimated Population July 1st Each Year	Births* Total Reported	Births* Rate per 1,000	Marriages Total Reported	Marriages Rate per 1,000	Deaths Total Reported	Deaths Rate per 1,000	Fetal Deaths Total Reported	Fetal Deaths Ratio to 1,000 Live Births	Infant Mortality Deaths Under One Year	Infant Mortality Rate per 1,000 Live Births
1898	3,272,000	119,000	36.4	28,885	8.8	66,294	20.3	5,638	47.4	16,770	140.9
1899	3,357,000	116,000	34.6	30,474	9.1	65,343	19.5	5,463	47.1	15,381	132.6
1900	3,446,000	123,000	35.7	32,247	9.4	70,872	20.6	5,815	47.3	16,640	135.3
1901	3,554,000	122,000	34.3	33,447	9.4	70,720	19.9	5,750	47.1	15,467	126.8
1902	3,666,000	127,000	34.6	36,207	9.9	68,085	18.6	6,011	47.3	15,526	122.3
1903	3,781,000	129,000	34.1	38,174	10.1	67,864	17.9	6,078	47.1	14,413	111.7
1904	3,901,000	133,000	34.1	39,436	10.1	78,060	20.0	6,288	47.3	16,125	121.2
1905	4,026,000	135,000	33.5	42,675	10.6	73,714	18.3	6,352	47.1	16,522	122.4
1906	4,167,000	141,000	33.8	48,355	11.6	76,203	18.3	6,646	47.1	17,188	121.9
1907	4,314,000	149,000	34.5	51,097	11.8	79,205	18.4	7,351	49.3	17,437	117.0
1908	4,469,000	146,000	32.7	37,449	8.4	73,072	16.3	7,191	49.3	16,231	111.2
1909	4,632,000	142,000	30.7	41,513	9.0	74,105	16.0	6,697	47.2	15,976	112.5
1910	4,785,000	143,000	29.9	46,417	9.7	76,742	16.0	6,751	47.2	16,215	113.4
1911	4,873,000	141,000	28.9	48,765	10.0	75,423	15.5	6,673	47.3	15,053	106.8
1912	4,961,000	140,000	28.2	51,703	10.4	73,008	14.7	6,619	47.3	14,289	102.1
1913	5,049,000	140,000	27.7	51,268	10.2	73,902	14.6	6,629	47.4	13,780	98.4
1914	5,137,000	140,647	27.4	53,051	10.3	74,803	14.6	6,617	47.0	13,312	94.6
1915	5,225,000	141,256	27.0	50,997	9.8	76,193	14.6	6,413	45.4	13,866	98.2
1916	5,312,000	137,664	25.9	54,782	10.3	77,801	14.6	6,253	45.4	12,818	93.1
1917	5,400,000	141,564	26.2	59,210	11.0	78,575	14.6	6,117	43.2	12,568	88.8
1918	5,488,000	138,046	25.2	56,733	10.3	98,119	17.9	6,793	49.2	12,657	91.7
1919	5,576,000	130,377	23.4	60,256	10.8	74,433	13.3	5,984	45.9	10,639	81.6
1920	5,684,000	132,856	23.4	64,422	11.3	73,249	12.9	6,234	46.9	11,340	85.4
1921	5,812,000	134,241	23.1	60,846	10.5	64,257	11.1	6,297	46.9	9,548	71.1
1922	5,939,000	129,684	21.8	58,192	9.8	69,690	11.7	6,125	47.2	9,666	74.5
1923	6,067,000	129,160	21.3	66,430	10.9	69,452	11.4	6,023	46.6	8,578	66.4
1924	6,195,000	130,436	21.1	62,254	10.0	71,252	11.5	6,448	49.4	8,820	67.6
1925	6,323,000	128,790	20.4	64,826	10.3	71,864	11.4	6,134	47.6	8,315	64.6
1926	6,451,000	125,515	19.5	68,417	10.6	76,082	11.8	6,054	48.2	8,509	67.8
1927	6,579,000	128,889	19.6	66,431	10.1	70,430	10.7	5,895	45.7	7,210	55.9
1928	6,707,000	126,332	18.8	62,424	9.3	78,091	11.6	6,121	48.5	8,280	65.5
1929	6,835,000	124,404	18.2	65,780	9.6	77,482	11.3	5,726	46.0	7,281	58.5
1930	6,944,000	122,811	17.7	63,337	9.1	74,888	10.8	5,700	46.4	7,030	57.2
1931	6,995,000	115,621	16.5	61,574	8.8	77,418	11.1	5,579	48.3	6,427	55.6
1932	7,047,000	109,878	15.6	58,957	8.4	74,319	10.5	5,396	49.1	5,594	50.9
1933	7,101,000	103,500	14.6	60,116	8.5	75,153	10.6	5,347	51.7	5,508	53.2
1934	7,153,000	101,239	14.2	67,347	9.4	75,857	10.6	5,070	50.1	5,287	52.2
1935	7,206,000	100,657	14.0	68,372	9.5	75,057	10.4	4,902	48.7	4,790	47.6
1936	7,258,000	98,507	13.6	72,234	10.0	77,638	10.7	4,992	50.7	4,490	45.6
1937	7,311,000	101,988	13.9	69,417	9.5	77,465	10.6	4,847	47.5	4,457	43.7
1938	7,363,000	102,045	13.9	63,493	8.6	73,775	10.0	4,995	48.9	3,910	38.3
1939	7,415,000	102,261	13.8	62,288	8.4	75,439	10.2	6,831	66.8	3,793	37.1
1940	7,468,000	107,287	14.4	78,487	10.5	76,008	10.2	7,986	74.4	3,749	34.9
1941	7,521,000	114,367	15.2	83,012	11.0	74,553	9.9	8,974	78.5	3,519	30.8

* 1898-1913 birth figures are estimated, as the number actually reported was undoubtedly incomplete.

Births, Deaths, Maternal Deaths and Fetal Deaths as Reported*—1941

Borough	Estimated Population 1941	Births Reported	Births Per 1,000	Deaths Reported	Deaths per 1,000	Maternal Deaths Reported	Maternal Deaths Per 10,000 Births†	Fetal Deaths Reported	Fetal Deaths Per 1,000 Live Births
Manhattan	1,893,000	36,457	19.3	25,896	13.7	90	23	3,344	91.7
The Bronx	1,411,000	16,057	11.4	11,936	8.5	32	18	1,526	95.0
Brooklyn	2,716,000	45,324	16.7	25,256	9.3	82	17	2,994	66.1
Queens	1,325,000	13,771	10.4	9,009	6.8	37	25	988	71.7
Richmond	176,000	2,758	15.7	2,456	14.0	9	31	122	44.2
City of New York	7,521,000	114,367	15.2	74,553	9.9	250	20	8,974	78.5

* Tabulation of births, deaths and still births, by borough of residence, on next page.
† Live births and fetal deaths.

Births, Fetal Deaths, and Deaths, by Borough of Residence—1941

	N.Y.City	Manh'tan	Bronx	B'klyn	Queens	Rich'd
Live Births	114,367	25,302	20,922	43,282	22,064	2,797
Rate per 1,000 Population	15.2	13.4	14.8	15.9	16.7	15.9
Fetal Deaths†	8,974	2,578	1,812	2,972	1,480	132
Rate per 1,000 Total Births	78.5	101.9	86.6	68.7	67.1	47.2
Deaths Under One Year	3,519	1,011	622	1,131	637	118
Rate per 1,000 Live Births	30.8	40.0	29.7	26.1	28.9	42.2
Deaths Under One Month	2,517	705	438	807	487	80
Rate per 1,000 Live Births	22.0	27.9	20.9	18.6	22.1	28.6
Deaths of Non-Residents	2,483	1,345	509	288	277	64
Total Deaths	74,553	22,946	12,284	25,545	11,886	1,892
Death Rate per 1,000 Population	9.9	12.1	8.7	9.4	9.0	10.7
1. Typhoid and Paratyphoid Fevers	14	6	1	5	2	....
3. Scarlet Fever	7	....	....	5	2	....
4. Whooping Cough	45	13	5	16	8	3
5. Diphtheria	10	3	2	1	....	4
6. Pulmonary Tuberculosis	3,372	1,554	424	929	400	65
7. Other TB	343	135	43	118	37	10
8. Malaria	3	1	....	2	....	....
9. Syphilis	933	437	88	262	121	25
10. Influenza	119	28	21	52	11	7
12. Measles	25	2	5	14	4	....
13. Typhus Fever	....	....	....	....	....	....
14. Other Infectious Diseases	412	114	61	155	72	10
(a) Meningococus Meningitis	42	6	5	19	9	3
(b) Acute Poliomyelitis	8	1	....	5	2	....
(c) Epidemic Encephalitis	76	16	13	32	15	....
15. Cancer	12,069	3,539	2,316	4,037	1,922	255
16. Non-malignant Tumors	415	127	77	137	69	5
17. Chronic Rheumatism, Gout	54	12	10	17	10	5
18. Diabetes	3,064	746	585	1,262	410	61
19. Alcoholism	356	210	24	83	34	5
20. Avitaminoses, Other General Diseases and Chronic Poisonings	978	312	147	330	168	21
21. Simple Meningitis and Spinal Cord Diseases	242	85	40	76	39	2
22. Intracranial Lesions of Vascular Origin	3,600	1,028	569	1,278	593	132
23. Other Diseases of the Nervous System and Sense Organs	437	132	67	143	82	13
24. Diseases of the Heart	26,690	7,586	4,476	9,615	4,362	651
25. Other Diseases of the Circulatory System	1,362	390	160	533	228	51
(a) Arterio-sclerosis	973	263	94	437	142	37
26. Bronchitis	153	57	18	44	32	2
27. The Pneumonias	3,383	1,098	560	1,118	504	103
(a) Bronchopneumonia	1,675	484	273	600	269	49
(b) Lobar Pneumonia	1,689	606	284	513	233	53
28. Other Respiratory Diseases (Except Tuberculosis)	346	139	59	92	45	11
29. Diarrhea and Enteritis	278	91	59	84	38	6
(a) Diarrhea and Enteritis Under 2 Years	196	64	45	58	24	5
30. Appendicitis	564	140	98	201	107	18
31. Diseases of the Liver and Biliary Passages	1,564	524	225	475	303	37
32. Other Digestive Diseases	1,408	425	265	445	238	35
33. Nephritis, All Forms	3,242	882	503	1,162	597	98
34. Other Diseases of the Urinary and Genital Systems	944	308	168	324	121	23
35. Puerperal Infection*	109	29	19	41	19	1
36. Other Puerperal Causes	141	40	23	45	28	5
37. Diseases of the Skin and Bones	103	36	15	36	14	2
38. Diseases of Early Infancy	2,661	733	458	867	517	86
39. Old Age	16	7	3	1	1	4
40. Suicide	1,039	399	162	285	166	27
41. Homicide	286	164	23	77	19	3
42. Motor Vehicle Accidents	868	282	128	289	142	27
(a) Automobile Accidents	858	280	125	287	140	26
43. Other Accidents	2,871	1,125	375	878	415	78
(a) Sunstroke	2	....	....	1	1	....
44. Causes Not Known or Ill-defined	27	7	2	11	6	1

Numbers at left are those of the Abridged International List, 1938 revision.
* Includes causes 140 and 147 of Detailed International List.
† Stillbirths and reported abortions.

Age Distribution of the Population, 1940* By Color and Sex, for New York City

	Total	White	Non-white
Total, all ages	7,454,995	6,976,649	478,346
0-4	441,984	410,137	31,847
5-9	475,387	440,163	35,224
10-13	445,252	415,440	29,812
14-19	721,902	679,050	42,852
20-24	648,570	605,478	43,092
25-44	2,689,094	2,483,844	205,250
45-64	1,620,845	1,543,756	77,089
65 and over	411,961	398,781	13,180**
Males, all ages	3,686,034	3,462,587	223,447
0-4	225,440	209,766	15,674**
5-9	242,589	224,399	18,190**
10-13	223,266	208,850	14,416**
14-19	358,723	339,087	19,636**
20-24	301,156	285,498	15,658**
25-44	1,313,584	1,218,507	95,077
45-64	834,395	795,199	39,196
65 and over	186,881	181,281	5,600**
Females, all ages	3,768,961	3,514,062	254,899
0-4	216,544	200,371	16,173**
5-9	232,798	215,764	17,034**
10-13	221,986	206,590	15,396**
14-19	363,179	339,963	23,216
20-24	347,414	319,980	27,434
25-44	1,375,510	1,265,337	110,173
45-64	786,450	748,557	37,893
65 and over	225,080	217,500	7,580**

Deaths, New York City, 1941 By Age and Color

Age (In Years)	Total	White	Negro	Other Colored
All Ages	74,553	68,679	5,608	266
Under 5	4,162	3,666	491	5
5-9	397	352	45	.....
10-14	374	306	66	2
15-19	658	500	155	3
20-24	939	716	220	3
25-29	1,317	997	316	4
30-34	1,709	1,345	350	14
35-39	2,427	1,933	470	24
40-44	3,714	3,115	568	31
45-49	5,100	4,524	546	30
50-54	6,751	6,131	582	38
55-59	7,462	6,980	447	35
60-64	8,672	8,221	418	33
65-69	9,116	8,729	365	22
70-74	8,393	8,141	238	14
75-79	6,422	6,263	153	6
80-84	4,287	4,189	96	2
85-89	1,981	1,928	53	.....
90-94	534	511	23	.....
95-99	120	115	5	.....
100 and Over	18	17	1	.....
Unknown	.....	.....	.....	.....

* Based upon a 5 per cent sample.
** Numbers less than 20,000 are based on relatively small samples and are subject to error.

Cases of Reportable Infectious Diseases—City of New York

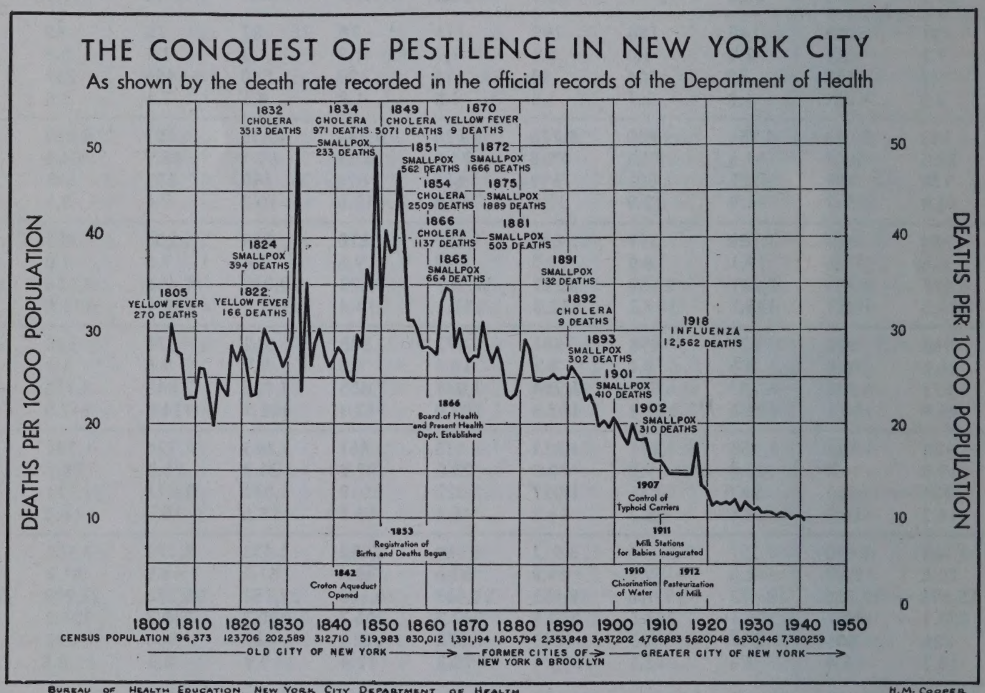
Year	Pulmonary Tuberculosis	Diphtheria	Measles	Scarlet Fever	Chickenpox	Typhoid Fever	Whooping Cough	Epidemic Meningitis	Poliomyelitis	Syphilis	Gonorrhea	Influenza	Pneumonia	Epidemic Encephalitis
1900	11,997	12,913	19,298	6,683	1,226	2,658	174	7						
1901	13,703	12,329	11,990	16,692	2,437	2,748	113	13						
1902	12,914	15,319	20,251	11,894	3,269	3,871	313	10						
1903	15,214	18,317	13,689	10,887	4,181	3,671	1,066	20						
1904	18,723	18,158	32,861	13,495	4,263	3,412	1,016	482						
1905	20,831	13,686	19,026	8,071	5,473	4,326	2,637	2,755						
1906	20,085	14,757	38,653	7,881	4,467	3,467	2,177	1,032						
1907	19,725	15,276	16,637	15,788	4,308	4,426	1,920	828						
1908	23,325	16,431	38,276	24,426	5,928	3,058	1,182	380						
1909	25,667	15,097	31,950	12,475	6,765	3,499	2,752	346						
1910	32,065	16,940	35,374	18,924	5,534	3,582	2,018	242						
1911	24,513	13,485	25,540	15,794	6,758	3,450	3,210	266	358					
1912	22,752	13,533	39,018	12,716	7,649	3,076	2,132	250	504					
1913	22,674	14,845	29,350	10,739	6,897	2,643	3,529	232	310	10,623	7,440			
1914	21,604	17,129	25,793	11,105	9,632	2,260	3,798	318	129	21,128	9,526			
1915	22,141	15,279	38,186	9,879	8,721	2,455	6,771	174	95	17,335	9,709			
1916	19,297	13,521	21,603	5,814	9,617	1,617	7,460	263	9,023	20,128	6,341			
1917	17,494	12,624	27,519	6,260	7,864	1,442	5,597	322	139	19,833	8,312			
1918	14,439	11,454	28,675	4,460	4,196	1,238	5,558	477	134	17,320	6,538			
1919	14,570	14,014	8,194	4,594	5,326	854	1,658	317	42	19,241	5,677	25,218	10,325	118
1920	14,035	14,166	35,083	6,537	5,534	969	7,530	244	154	19,440	4,535	69,824	25,983	573
1921	12,966	15,110	7,738	13,516	8,041	899	5,808	279	588	14,096	5,287	2,486	14,143	528
1922	13,329	10,427	40,569	10,269	5,738	790	4,799	218	224	13,199	5,599	21,042	19,121	611
1923	11,336	8,050	13,999	8,237	8,671	890	4,484	133	577	16,879	6,817	16,061	15,952	923
1924	11,924	9,687	33,561	8,399	8,260	1,687	8,244	156	344	16,402	6,137	1,753	18,594	465
1925	10,955	9,051	9,483	8,840	7,546	1,417	4,826	120	307	15,630	5,466	1,745	15,651	327
1926	10,498	7,531	39,750	7,968	6,757	913	3,487	170	111	17,700	4,728	5,911	22,661	297
1927	10,873	13,507	2,101	18,339	9,444	762	6,052	177	537	24,324	7,006	2,048	18,273	232
1928	11,614	10,776	35,008	10,586	7,082	688	5,876	1,102	572	25,034	7,431	2,878	21,079	193
1929	11,938	8,548	2,537	7,952	9,264	607	2,944	1,000	71	28,772	8,840	11,121	21,132	173
1930	11,821	3,794	23,635	7,592	7,901	552	4,538	503	78	32,219	9,737	1,010	17,081	100
1931	11,794	3,999	26,519	11,900	9,113	637	8,643	392	4,138	34,894	9,745	4,498	21,116	97
1932	10,589	3,581	10,354	21,093	8,862	598	7,126	207	143	42,315	11,640	3,418	17,835	57
1933	9,991	1,891	36,216	8,262	11,966	588	6,009	114	831	42,242	11,164	2,617	16,972	86
1934	9,990	1,593	5,015	8,820	12,177	378	8,764	102	73	46,276	10,953	899	14,489	51
1935	8,796	1,189	28,490	14,602	10,866	349	8,703	529	2,054	47,659	11,069	622	13,185	69
1936	8,987	1,124	36,548	11,417	8,324	334	4,461	538	34	68,969	14,445	1,396	15,786	37
1937	9,128	1,184	12,091	10,058	12,723	299	4,653	228	243	88,101	17,872	4,181	16,393	55
1938	8,748	700	34,604	8,419	11,112	312	12,232	112	43	37,077*	12,935	447	12,969	38
1939	8,277	543	3,653	6,121	9,103	198	5,821	71	184	32,874	12,810	1,546	16,875	62
1940	8,212	386	10,496	13,569	13,046	171	5,775	48	67	30,718	14,639	791	13,808	28
1941	8,459	362	79,646	7,206	9,773	151	37,811	118	404	27,194	12,297	2,677	10,707	49

* Figures prior to 1938 were based on positive laboratory findings and included much duplication. Beginning with 1938 duplicates have, as far as possible, been omitted.

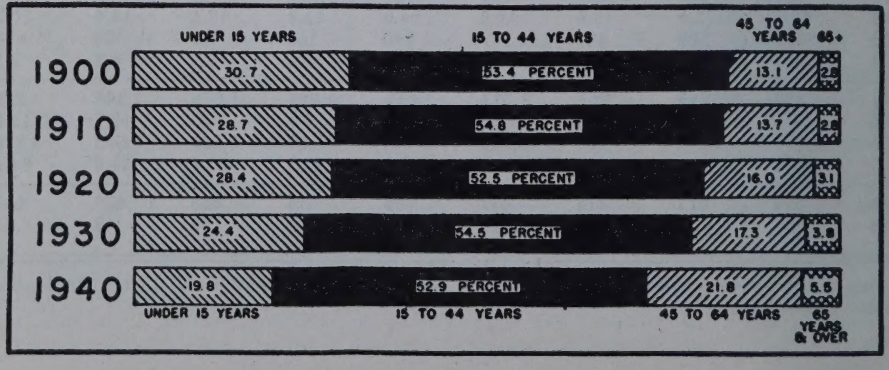
SPECIFIC DEATH RATES, NEW YORK CITY; 1900-1930, INCLUSIVE

Age	1901-'02-'03 Males	1901-'02-'03 Females	1909-'10-'11 Males	1909-'10-'11 Females	1919-'20* Males	1919-'20* Females	1929-'30-'31 Males	1929-'30-'31 Females
0-4	60.3	52.6	50.2	43.2	32.4	26.5	19.4	15.4
5-9	5.8	5.2	4.2	3.9	3.8	3.1	2.5	2.0
10-14	2.8	2.8	2.4	2.3	2.4	2.2	1.7	1.3
15-19	4.8	4.1	3.9	3.1	4.0	3.7	2.6	2.2
20-24	7.3	6.0	5.3	4.6	5.8	5.4	3.4	3.2
25-29	9.5	8.2	6.9	5.9	6.5	6.9	3.8	3.4
30-34	12.6	9.8	9.6	7.6	7.7	7.0	5.1	4.1
35-39	15.1	11.6	13.0	9.3	9.2	7.3	7.0	5.0
40-44	19.0	13.2	16.5	11.2	10.9	9.0	10.1	6.9
45-49	22.0	15.0	20.8	14.3	15.2	12.1	14.8	10.5
50-54	29.2	22.8	26.5	19.1	20.6	16.3	22.0	15.0
50-59	38.8	31.4	37.0	28.8	30.1	24.8	32.0	23.4
60-64	51.4	43.8	51.4	44.1	40.8	33.8	44.7	35.3
65-69	69.9	60.5	68.5	58.9	60.1	55.0	62.0	50.2
70-74	95.8	85.2	89.6	81.2	85.1	79.5	84.3	73.3
75-79	141.0	119.3	127.3	114.4	116.2	107.6	120.7	109.2
80-84	175.9	157.9	167.4	159.6	162.6	143.6	170.9	151.2
85 & Over	252.3	223.0	257.4	232.3	224.8	210.2	242.8	227.5

* As Census date is the midpoint of the period presented, only two years are used for 1919-'20 calculation, the Census having been made on Jan. 1, 1920.

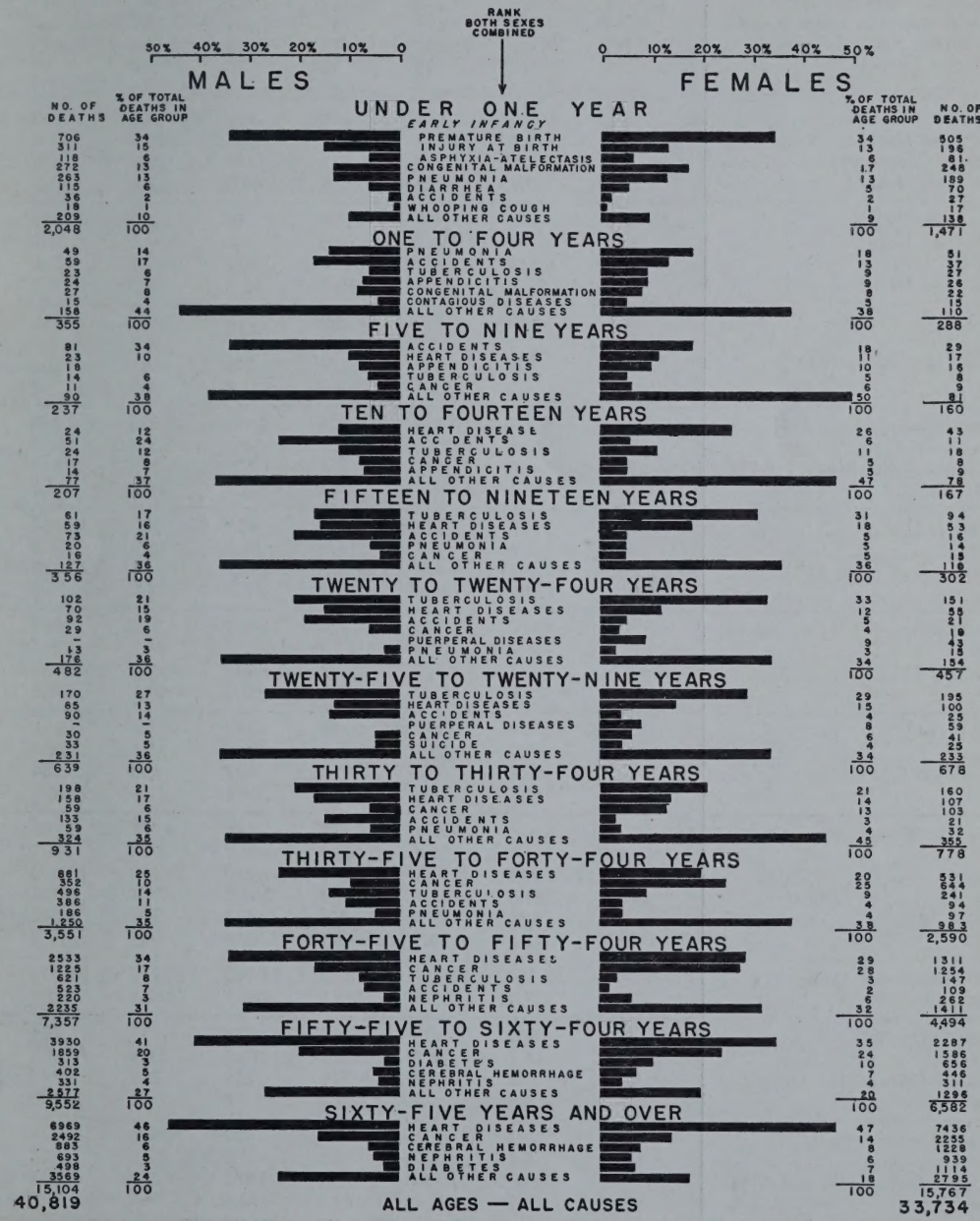

THE CONQUEST OF PESTILENCE IN NEW YORK CITY
As shown by the death rate recorded in the official records of the Department of Health
DEATHS PER 1000 POPULATION
1832 CHOLERA 3513 DEATHS
1834 CHOLERA 971 DEATHS
SMALLPOX 233 DEATHS
1849 CHOLERA 5071 DEATHS
1870 YELLOW FEVER 9 DEATHS
1851 SMALLPOX 562 DEATHS
1872 SMALLPOX 1666 DEATHS
1854 CHOLERA 2509 DEATHS
1875 SMALLPOX 1889 DEATHS
1866 CHOLERA 1137 DEATHS
1881 SMALLPOX 503 DEATHS
1824 SMALLPOX 394 DEATHS
1865 SMALLPOX 664 DEATHS
1891 SMALLPOX 132 DEATHS
1805 YELLOW FEVER 270 DEATHS
1822 YELLOW FEVER 166 DEATHS
1892 CHOLERA 9 DEATHS
1918 INFLUENZA 12,562 DEATHS
1893 SMALLPOX 302 DEATHS
1901 SMALLPOX 410 DEATHS
1902 SMALLPOX 310 DEATHS
1866 Board of Health and Present Health Dept. Established
1907 Control of Typhoid Carriers
1911 Milk Stations for Babies Inaugurated
1853 Registration of Births and Deaths Begun
1842 Croton Aqueduct Opened
1910 Chlorination of Water
1912 Pasteurization of Milk
1800 1810 1820 1830 1840 1850 1860 1870 1880 1890 1900 1910 1920 1930 1940 1950
CENSUS POPULATION 96,373 123,706 202,589 312,710 519,983 830,012 1,391,194 1,805,794 2,353,848 3,437,202 4,766,883 5,620,048 6,930,446 7,380,259
OLD CITY OF NEW YORK
FORMER CITIES OF NEW YORK & BROOKLYN
GREATER CITY OF NEW YORK
DEATHS PER 1000 POPULATION
BUREAU OF HEALTH EDUCATION, NEW YORK CITY DEPARTMENT OF HEALTH
H.M. COOPER

NEW YORK CITY'S AGING POPULATION



CHIEF CAUSES OF DEATH IN CERTAIN AGE GROUPS

BARS INDICATE THE PER CENT EACH CAUSE OF DEATH IS OF TOTAL DEATHS IN THAT GROUP BASED ON 74,553 DEATHS REPORTED IN NEW YORK CITY DURING 1941.


RANK BOTH SEXES COMBINED
50% 40% 30% 20% 10% 0
MALES
0 10% 20% 30% 40% 50%
FEMALES
NO. OF DEATHS
% OF TOTAL DEATHS IN AGE GROUP
% OF TOTAL DEATHS IN AGE GROUP
NO. OF DEATHS
UNDER ONE YEAR
EARLY INFANCY
706 34 PREMATURE BIRTH 34 505
311 15 INJURY AT BIRTH 13 196
118 6 ASPHYXIA-ATELECTASIS 6 81
272 13 CONGENITAL MALFORMATION 17 246
263 13 PNEUMONIA 13 189
115 6 DIARRHEA 5 70
36 2 ACCIDENTS 2 27
18 1 WHOOPING COUGH 1 17
209 10 ALL OTHER CAUSES 9 138
2,048 100 100 1,471
ONE TO FOUR YEARS
49 14 PNEUMONIA 18 51
59 17 ACCIDENTS 13 37
23 6 TUBERCULOSIS 9 27
24 7 APPENDICITIS 9 26
27 8 CONGENITAL MALFORMATION 8 22
15 4 CONTAGIOUS DISEASES 5 15
158 44 ALL OTHER CAUSES 38 110
355 100 100 288
FIVE TO NINE YEARS
81 34 ACCIDENTS 18 29
23 10 HEART DISEASES 11 17
18 APPENDICITIS 10 16
14 6 TUBERCULOSIS 5 8
11 4 CANCER 6 9
90 38 ALL OTHER CAUSES 50 81
237 100 100 160
TEN TO FOURTEEN YEARS
24 12 HEART DISEASE 26 43
51 24 ACC DENTS 6 11
24 12 TUBERCULOSIS 11 18
17 8 CANCER 5 8
14 7 APPENDICITIS 5 9
77 37 ALL OTHER CAUSES 47 78
207 100 100 167
FIFTEEN TO NINETEEN YEARS
61 17 TUBERCULOSIS 31 94
59 16 HEART DISEASES 18 53
73 21 ACCIDENTS 5 16
20 6 PNEUMONIA 3 14
16 4 CANCER 5 15
127 36 ALL OTHER CAUSES 36 116
356 100 100 302
TWENTY TO TWENTY-FOUR YEARS
102 21 TUBERCULOSIS 33 151
70 15 HEART DISEASES 12 55
92 19 ACCIDENTS 5 21
29 6 CANCER 4 19
- - PUERPERAL DISEASES 9 43
13 3 PNEUMONIA 3 15
176 36 ALL OTHER CAUSES 34 154
482 100 100 457
TWENTY-FIVE TO TWENTY-NINE YEARS
170 27 TUBERCULOSIS 29 195
85 13 HEART DISEASES 15 100
90 14 ACCIDENTS 4 25
- - PUERPERAL DISEASES 8 59
30 5 CANCER 6 41
33 5 SUICIDE 4 25
231 36 ALL OTHER CAUSES 34 233
639 100 100 678
THIRTY TO THIRTY-FOUR YEARS
198 21 TUBERCULOSIS 21 160
158 17 HEART DISEASES 14 107
59 6 CANCER 13 103
133 15 ACCIDENTS 3 21
59 6 PNEUMONIA 4 32
324 35 ALL OTHER CAUSES 45 355
931 100 100 778
THIRTY-FIVE TO FORTY-FOUR YEARS
881 25 HEART DISEASES 20 531
352 10 CANCER 25 644
496 14 TUBERCULOSIS 9 241
386 11 ACCIDENTS 4 94
186 5 PNEUMONIA 4 97
1,250 35 ALL OTHER CAUSES 38 983
3,551 100 100 2,590
FORTY-FIVE TO FIFTY-FOUR YEARS
2533 34 HEART DISEASES 29 1311
1225 17 CANCER 28 1254
621 8 TUBERCULOSIS 3 147
523 7 ACCIDENTS 2 109
220 3 NEPHRITIS 6 262
2235 31 ALL OTHER CAUSES 32 1411
7,357 100 100 4,494
FIFTY-FIVE TO SIXTY-FOUR YEARS
3930 41 HEART DISEASES 35 2287
1859 20 CANCER 24 1586
313 3 DIABETES 10 656
402 5 CEREBRAL HEMORRHAGE 7 446
331 4 NEPHRITIS 4 311
2577 27 ALL OTHER CAUSES 20 1296
9,552 100 100 6,582
SIXTY-FIVE YEARS AND OVER
6969 46 HEART DISEASES 47 7436
2492 16 CANCER 14 2255
885 6 CEREBRAL HEMORRHAGE 8 1228
693 5 NEPHRITIS 6 939
498 3 DIABETES 7 1114
3569 24 ALL OTHER CAUSES 18 2795
15,104 100 100 15,767
40,819 ALL AGES — ALL CAUSES 33,734

YEAR	1912	1913	1914	1915	1916	1917	1918	1919
Population	4,961,000	5,049,000	5,137,000	5,225,000	5,312,000	5,400,000	5,488,000	5,576,000
Total Deaths	73,008	73,902	74,803	76,193	77,801	78,575	98,119	74,433
Death Rate	1,472	1,464	1,456	1,458	1,464	1,455	1,788	1,335
Total deaths under 5 years	20,978	20,711	19,530	20,291	19,967	18,256	21,019	15,744
Rate on estim. pop. under 5 years	4,034	3,952	3,671	3,758	3,664	3,289	3,767	2,811
Deaths under 1 year of age	14,289	13,780	13,312	13,866	12,818	12,568	12,657	10,639
Per 1,000 births	102	98	95	98	93	89	92	82
Measles (35)	671	628	560	630	490	560	790	218
Rate (See Note)	129.0	119.8	105.3	116.7	89.9	100.9	141.6	38.9
Whooping Cough (9)	287	420	279	397	349	489	665	161
Rate (See Note)	55.2	80.2	49.8	73.5	64.0	88.1	119.2	28.8
Scarlet Fever (8)	615	507	452	291	96	120	177	136
Rate (See Note)	43.3	35.1	30.8	19.5	6.3	7.8	11.3	8.6
Diphtheria (10)	1,125	1,333	1,491	1,278	1,031	1,158	1,245	1,239
Rate (See Note)	79.2	92.2	101.6	85.7	68.1	75.3	79.8	78.2
Typhoid Fever (1, 2)	499	362	334	332	216	229	196	121
Rate	10.1	7.2	6.5	6.4	4.1	4.2	3.6	2.2
Epidemic Meningitis (6)	196	202	207	119	176	187	262	171
Rate	4.0	4.0	4.0	2.3	3.3	3.5	4.8	3.1
Pulmonary Tuberculosis (13)	8,591	8,601	8,918	8,825	8,411	8,825	8,779	7,395
Rate	173.2	170.4	173.6	168.9	158.3	163.4	160.0	132.6
Other forms Tuberculosis (14-22)	1,390	1,430	1,372	1,424	1,237	1,317	1,318	1,103
Rate	28.0	28.3	26.7	27.3	23.3	24.4	24.0	19.8
Influenza (33)	269	350	336	526	853	657	12,562	4,834
Rate	5.4	6.9	6.5	10.1	16.1	12.2	228.9	86.7
Pneumonia (107, 108, 109)	9,979	10,042	9,678	10,922	10,568	11,051	20,628	10,977
Rate	201.2	198.9	188.4	209.1	198.9	204.6	375.9	196.9
Other Respiratory (104-6; 110-14)	1,362	1,350	1,246	1,424	1,440	1,420	1,543	1,187
Rate	27.5	26.7	24.3	27.3	27.1	26.3	28.1	21.3
Cancer (45-55)	4,071	4,223	4,467	4,647	4,701	4,867	4,931	5,147
Rate	82.1	83.6	87.0	88.9	88.5	90.1	89.8	92.3
Diabetes (61)	870	884	979	1,109	1,119	1,153	1,011	955
Rate	17.5	17.5	19.1	21.2	21.1	21.4	18.4	17.1
Appendicitis (121)	637	618	710	723	697	668	584	690
Rate	12.8	12.2	13.8	13.8	13.1	12.4	10.6	12.4
Bright's Dis. & Nephritis (130-2)	5,724	5,615	5,617	5,521	6,546	6,727	5,269	5,007
Rate	115.4	111.2	109.4	105.7	123.2	124.6	96.0	89.8
Circulatory Sys. Dis. (90-103)	12,008	12,813	13,469	13,596	14,210	14,818	15,660	14,077
Rate	242.1	253.8	262.2	260.2	267.5	274.4	285.3	252.5
Apoplexy (83a)	1,023	889	1,075	946	804	794	1,042	811
Rate	20.6	17.6	20.9	18.1	15.1	14.7	19.0	14.5
Total Degenerative Diseases*	18,775	19,317	20,161	20,063	21,560	22,339	21,971	19,895
Rate	378.0	382.6	392.5	384.0	405.8	413.7	400.3	356.8
Suicides (163, 164)	802	845	935	958	836	778	724	703
Rate	16.2	16.7	18.2	18.3	15.7	14.4	13.2	12.6
Homicides (165-168)	299	326	299	261	256	248	247	279
Rate	6.0	6.5	5.8	5.0	4.8	4.6	4.5	5.0
Automobile Accidents (170)	188	293	310	346	407	**674	677	767
Rate	3.8	5.8	6.0	6.6	7.7	12.5	12.3	13.8
Other Accidents (169, 171-195)	3,473	3,467	3,441	3,212	3,561	4,042	3,613	3,059
Rate	70.0	68.7	67.0	61.5	67.0	74.8	65.8	54.9
Puerperal diseases (140-150)	676	668	679	710	653	651	664	644
Rate per 10,000 Total Births	46	46	46	48	45	44	46	47

** In 1917 Horse Drawn Vehicles Included. * Includes Bright's Disease and Nephritis, Diseases of Circulatory S

Note:—Rates for Measles and Whooping Cough per 100,000 under five years; rates for Scarlet Fever and Diphtheria a

Death Rates per 100,000 Population, City of New York, 1912 to 1941 inclusive

1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	
84,000	5,812,000	5,939,000	6,067,000	6,195,000	6,323,000	6,451,000	6,579,000	6,707,000	6,835,000	6,944,000	6,995,000	7,0
73,249	64,257	69,690	69,452	71,252	71,864	76,082	70,430	78,091	77,482	74,888	77,418	
1,289	1,106	1,173	1,145	1,150	1,137	1,179	1,071	1,164	1,134	1,078	1,106	
17,288	13,672	14,847	11,839	12,891	11,442	12,599	9,971	11,760	9,836	9,224	8,968	
3,082	2,441	2,685	2,153	2,335	2,073	2,308	1,820	2,158	1,818	1,721	1,689	
11,340	9,548	9,666	8,578	8,820	8,315	8,509	7,210	8,280	7,281	7,030	6,427	
85	71	75	66	68	65	68	56	66	59	57	56	
736	165	977	245	506	130	706	37	346	30	154	134	
131.2	29.5	176.7	44.5	91.7	23.6	129.3	6.8	63.5	5.5	28.7	25.2	
615	350	268	202	382	307	221	279	347	157	125	214	
109.6	62.5	48.5	36.7	69.2	55.6	40.5	50.9	63.7	29.0	23.3	40.3	
220	385	216	107	80	75	77	102	69	68	57	84	
13.7	23.7	13.2	6.5	4.8	4.5	4.6	6.1	4.1	4.0	3.4	5.0	
1,045	891	873	553	714	663	477	717	642	463	198	186	
64.9	54.9	53.4	33.6	43.1	39.8	28.5	42.7	38.1	27.4	11.7	11.0	
137	123	129	140	184	199	111	78	87	76	62	77	
2.4	2.1	2.2	2.3	3.0	3.1	1.7	1.2	1.3	1.1	0.9	1.1	
123	147	110	77	104	94	114	120	540	486	267	207	
2.2	2.5	1.9	1.3	1.7	1.5	1.8	1.8	8.1	7.1	3.8	3.0	
6,165	5,143	5,033	4,951	4,780	4,776	4,828	4,444	4,636	4,507	4,457	4,370	
108.5	88.5	84.7	81.6	77.2	75.5	74.8	67.6	69.1	65.9	64.2	62.5	
970	779	769	722	801	699	680	696	690	653	632	552	
17.1	13.4	12.9	11.9	12.9	11.1	10.5	10.6	10.3	9.6	9.1	7.9	
3,492	384	869	1,158	549	665	1,157	630	899	1,202	483	956	
61.4	6.6	14.6	19.1	8.9	10.5	17.9	9.6	13.4	17.6	7.0	13.7	
10,058	6,477	8,794	8,231	9,152	8,397	10,521	7,523	10,019	9,456	8,058	9,245	
177.0	111.5	148.1	135.7	147.7	132.8	163.1	114.4	149.4	138.4	116.0	132.2	
1,443	967	920	521	498	541	673	545	662	670	560	652	
25.4	16.6	15.5	8.6	8.0	8.6	10.4	8.3	9.9	9.8	8.1	9.3	
5,317	5,573	5,945	6,287	6,557	6,784	7,033	7,455	7,725	7,848	8,125	8,336	
93.5	95.9	100.1	103.6	105.8	107.3	109.0	113.3	115.2	114.8	117.0	119.2	
1,075	1,120	1,448	1,360	1,177	1,313	1,485	1,461	1,663	1,726	1,784	1,921	
18.9	19.3	24.4	22.4	19.0	20.8	23.0	22.2	24.8	25.3	25.7	27.5	
792	824	883	887	946	1,022	1,022	1,018	1,043	1,071	1,111	1,157	
13.9	14.2	14.9	14.6	15.3	16.2	15.8	15.5	15.6	15.7	16.0	16.5	
4,833	4,105	4,450	4,367	3,705	3,912	4,360	3,182	3,433	3,177	2,905	2,806	
85.0	70.6	74.9	72.0	59.8	61.9	67.6	48.4	51.2	46.5	41.8	40.1	
15,195	15,696	17,350	18,453	19,616	19,453	20,463	20,178	22,152	23,283	22,999	23,487	
267.3	270.1	292.1	304.1	316.6	307.7	317.2	306.7	330.3	340.7	331.2	335.8	
718	886	501	597	763	847	978	818	667	566	588	682	
12.6	15.2	8.4	9.8	12.3	13.4	15.2	12.4	9.9	8.3	8.5	9.7	
20,746	20,687	22,301	23,417	24,084	24,212	25,801	24,178	26,252	27,026	26,492	26,975	
365.0	356.0	375.5	386.0	388.7	382.9	400.0	367.5	391.4	395.4	381.5	385.6	
670	831	789	825	829	935	904	1,073	1,182	1,255	1,403	1,500	
11.8	14.3	13.3	13.6	13.4	14.8	14.0	16.3	17.6	18.4	20.2	21.4	
325	303	337	308	387	337	340	366	402	425	494	586	
5.7	5.2	5.7	5.1	6.2	5.3	5.3	5.6	6.0	6.2	7.1	8.4	
763	849	870	945	961	1,022	1,069	1,095	1,075	1,344	1,290	1,298	
13.4	14.6	14.6	15.6	15.5	16.2	16.0	16.6	16.0	19.7	18.6	18.6	
2,856	2,634	2,801	3,249	3,239	3,765	3,674	3,509	3,589	3,518	3,578	3,336	
50.2	45.3	47.2	53.6	52.3	59.5	57.0	53.3	53.5	51.5	51.5	47.7	
708	746	699	623	678	697	595	694	668	629	667	698	
51	53	51	46	50	52	45	51	50	48	52	58	

cem, and Apoplexy. Numbers following disease names are numbers of International List, 1938 Revision.
per 100,000 under fifteen years.

3 0112 115703685

2	1933	1934	1935	1936	1937	1938	1939	1940	1941	
000	7,101,000	7,153,000	7,206,000	7,258,000	7,311,000	7,363,000	7,415,000	7,468,000	7,521,000	Population
319	75,153	75,857	75,057	77,638	77,465	73,775	75,439	76,008	74,553	Deaths
054	1,058	1,060	1,042	1,069	1,059	1,002	1,017	1,018	991	Rate
409	7,422	6,726	6,282	5,689	5,618	4,891	4,584	4,402	4,162	Deaths—5
436	1,490	1,404	1,363	1,269	1,216	1,087	1,045	991	925	Rate
594	5,508	5,287	4,790	4,490	4,457	3,910	3,793	3,746	3,519	Infant Deaths
51	53	52	48	45.6	43.7	38.3	37.1	34.9	30.8	Rate
58	213	25	105	83	28	42	1	3	25	Measles
1.2	42.8	5.2	22.8	18.5	6.1	9.3	0.2	0.7	5.6	Rate (See Note)
145	128	106	148	48	49	105	38	49	45	Whooping Cough
28.1	25.7	22.1	32.1	10.7	10.6	23.3	8.7	11.0	10.0	Rate (See Note)
134	59	53	76	64	31	17	16	14	7	Scarlet Fever
7.9	3.5	3.1	4.5	3.8	1.9	1.1	1.0	0.9	0.5	Rate (See Note)
210	86	103	68	35	58	26	22	10	10	Diphtheria
2.4	5.1	6.1	4.0	2.1	3.6	1.6	1.4	0.7	0.7	Rate (See Note)
64	70	44	34	33	26	26	22	12	14	Typhoid Fever
0.9	1.0	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	Rate
114	73	73	243	226	101	53	36	17	42	Epidemic Menin.
1.6	1.0	1.0	3.4	3.1	1.4	0.7	0.5	0.2	0.6	Rate
997	4,056	3,950	3,968	4,170	3,931	3,481	3,494	3,323	3,372	Pul. Tbc.
56.7	57.1	55.2	55.1	63.2 / 57.5	58.3 / 53.8	52.1 / 47.3	51.4 / 47.1	48.6 / 44.5	49.4 / 44.8	Rate
543	521	470	403	415	333	352	320	304	343	Other Tbc.
7.7	7.3	6.6	5.6	5.7	4.6	4.8	4.3	4.1	4.6	Rate
785	718	373	295	293	468	162	200	128	119	Influenza
1.1	10.1	5.2	4.1	4.0	6.4	2.2	2.7	1.7	1.6	Rate
827	7,686	6,755	6,385	6,549	6,504	4,737	4,234	3,410	3,383	Pneumonias
1.1	108.2	94.4	88.6	90.2	89.0	64.3	57.1	45.7	45.0	Rate
599	480	656	585	590	571	498	523	498	499	Other Respiratory
8.5	6.8	9.2	8.1	8.1	7.8	6.8	7.1	6.7	6.6	Rate
573	8,932	9,502	9,969	10,506	10,714	11,160	11,597	12,310	12,069	Cancer
21.7	125.8	132.8	138.3	144.8	146.5	151.6	156.4	164.8	160.5	Rate
116	2,141	2,266	2,255	2,571	2,669	2,650	2,938	3,106	3,064	Diabetes
30.0	30.2	31.7	31.3	35.4	36.5	36.0	39.6	41.6	40.7	Rate
065	1,149	1,006	920	1,049	935	825	800	677	564	Appendicitis
5.1	16.2	14.1	12.8	14.5	12.8	11.2	10.8	9.1	7.5	Rate
972	3,638	4,484	4,141	4,041	3,847	3,589	3,353	3,545	3,242	Bright's & Nephritis
42.2	51.2	62.7	57.5	55.7	52.6	48.7	45.2	47.5	43.1	Rate
524	23,541	25,696	22,282	24,093	24,756	25,227	26,672	27,809	28,052	Circulatory Svs.
33.8	331.5	359.2	309.2	332.0	338.6	342.6	359.7	372.4	373.0	Rate
544	749	602	3,233	3,130	3,025	2,746	2,800	2,700	2,675	Apoplexy
7.7	10.5	8.4	44.9	43.1	41.4	37.3	37.8	36.2	35.6	Rate
040	27,928	30,782	29,656	31,264	31,628	31,562	32,825	34,054	33,969	Total Degenerative
93.7	393.3	430.3	411.5	430.8	432.6	428.7	442.7	456.0	451.7	Rate
595	1,343	1,239	1,170	1,116	1,140	1,246	1,190	1,263	1,039	Suicides
12.6	18.9	17.3	16.2	15.4	15.6	16.9	16.0	16.9	13.8	Rate
580	541	458	447	380	373	309	303	290	286	Homicides
8.2	7.6	6.4	6.2	5.2	5.1	4.2	4.1	3.9	3.8	Rate
179	1,137	1,145	1,078	932	983	908	880	896	858	Automobile Accid.
6.7	16.0	16.0	15.0	12.8	13.4	12.3	11.9	12.0	11.4	Rate
091	3,101	3,316	3,179	3,296	3,203	2,924	3,123	2,989	2,881	Other Accidents
43.9	43.7	46.4	44.1	45.4	43.8	39.7	42.1	40.0	38.3	Rate
663	665	492	523	459	408	357	320	315	250	Puerperal diseases
58	61	46	50	44	38	33	29	27	20	Rate